

Abstract

5 A travelling field machine with a stator and a rotor, each of which comprising at least one stator coil or one rotor coil, respectively, with the stator or the rotor, respectively, comprising a soft magnetic iron body with a stator back or rotor back, respectively, in which spaced grooves are formed, generating teeth, and the stator coils or rotor coils, respectively, comprising conductor bars arranged in the grooves of the stator or the rotor, respectively, and end windings arranged at the end faces of the stator or the rotor, respectively, which
10 connect the conductor bars, which are connected with the conductor bars in an electrically conductive manner in order to electrically connect conductor bars in spaced grooves, with the end windings forming a stacked packet from which at least one thermally conductive element is protruding which extends to a heat sink.